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Abstract of JP1009279

PURPOSE: To keep the dye in an ink close to the surface of a recording medium, thereby giving a high-density image, by supplying an ink having a specified surface tension to that area of a recording medium where a colorless acidic liquid has been applied. CONSTITUTION: An ink containing a dye, having a surface tension of about 50 dyne/cm or less is applied to that area of a recording medium where a colorless acidic liquid has been applied, thus forming an image. At least one of tartaric acid, acetic acid, lactic acid, succinic acid, and citric acid is preferably used as the pH adjustor for the acidic liquid. As a dye, C.I. direct dye or C.I. acid dye can be used. At least one penetrant selected from the following group is preferably incorporated into the ink to give a surface tension of about 50 dyne/cm or less; diethylene glycol monobutyl ether, propylene glycol monobutyl ether, diethylene glycol monophenyl ether, and a fluorocarbon surface active agent.

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